

What Is Claimed Is:

1. A method for determining the activation voltage of a piezoelectric actuator of at least one injector which is used to inject a liquid volume under high pressure into a cavity, in particular into a combustion chamber of an internal combustion engine, the activation voltage being varied as a function of the pressure used to pressurize the liquid volume, wherein a drift of the activation voltage (voltage requirement) required for a predefined lift of a control valve of the injector is controlled on an injector-specific basis by controlling the difference between the cutoff-voltage threshold and the final steady-state voltage to a setpoint value predefined for one operating point.
2. The method as recited in Claim 1, wherein the control is carried out during one driving cycle of a vehicle having the internal combustion engine, and the correction values ascertained during the driving cycle are stored in a non-volatile memory.
3. The method as recited in Claim 1, wherein the correction values stored in the non-volatile memory are used in a later driving cycle as initialization values for a control in this driving cycle.
4. The method as recited in one of Claims 1 through 3, wherein the control is enabled as a function of parameters characterizing the internal combustion engine and/or the injector.
5. The method as recited in Claim 4, wherein the enabling takes place as a function of one or more of the following parameters: temperature of the internal combustion engine, common-rail pressure, steady state of the charging time control, steady state of the voltage control, activation duration, number of injections, injection sequence, system deviation of secondary control devices.

6. The method as recited in one of Claims 1 through 5,
wherein the control is ascertained at various operating points, and the
correction values are stored in correction characteristics maps.